MINING SITUATION IN OREGON IS SHOWING MARKED ACTIVITY

Hydraulic Operations in State Indicate Better Outlook for Future.

SOME REOPEN

Bullion Receipts of Mint and Smelters at San Prancisco Show Gain in Gold and Silver,

No changes of moment in the mining situation in Oregon are noted by Charles G. Yale of the United States geological survey for the first six months of 1916. The buillion receipts of the mint and smelters at San Francisco show that the output of gold has increased \$107,000 and that of silver 14,000 ounces in the first five months of 1916 over the output of the corresponding period in 1915. The increase in gold is due entirely to dredging operations.

six months of 1916. With the excep- precious metals, tion of three deep mines, all in Baker enterprise in Oregon.

Put Under Lease.

placed under lease and bond to the since the outbreak of the war. United Gold Mining company of Spoplant are to be installed.

terests, who are now building the Cal- on the increase. ifornia & Oregon Coast railway toward Crescent City, Cal.

After years of idleness work has been resumed on the Iron Dyke mine Lead and Zinc Ores Are Receiving at Copperfield, which is snipping ore to Colorado for reduction. The Black Eagle property, near

are to erect a 50-ton mill. There is notable activity in the hydraulic mining industry of the state,

Productive Mines Listed.

The most productive deep mines in Oregon continue to be those of the Cornucopia Mines company and Baker grade ore which could not be mined at Mines company, in the Cornucopia district, Baker county; Commercial Mining company, in the Mormon Creek dis-In the Cracker Creek district Homestead Iron Dyke, in the Iron Dyke distriet, and Humboldt Consolidated Gold fered for low grade concentrates.

Mines, in Malheur county, and Layton, in the Applegate district, more than in 1915. The selling price of Jackson county. Baker continues to be the lead concentrates was nearly douthe most productive county in the state. | ble the average price in 1915. containing nearly all the larger mines,

Geological Survey Reports Great Activity in Northern Mines.

The Alaska mining industry will have a very prosperous year in 1916, large output of lead from Nevada for according to Alfred II. Brooks of the 1215. 'nited States Geological survey, covermonths of the year, vances. About 15 mines are now shippushed on others, indicating that they monthly, which is much more than the may become producers before the end of the year. There is every reason to believe, therefore, that the Alaska cop- that the production of zinc ores in the that for any previous year

The gold lode mines of Alaska will larger than that in 1915. also make a larger production this year than last, but it is not now expected that the placer-mining industry will show any marked increase.

The shipment of antimony from Alaska is continuing, and some tung-

sten ores have already been shipped from the Fairbanks district. TOTAL PRODUCTION REPORTED

Geological Surveys and Bureau of

Mint Figures Gain. The precious metal mining industries continued active during the first six months of 1916 practically all important mines and mills operating at full capacity, according to a statement just

GOOD NEWS

A new hearing device being shown. The new improved Multi-tone Auri-phone will be demonstrated at our store by an expert direct from the fac-

FREE DEMONSTRATION 2 Days Only Monday and Tuesday

July 10, 11,

From 9 a. m. to 6 p. m. From 9 a. m. to 6 p. m.

The Multi-tone Auriphone is the newest of hearing devices and is a great help for the deaf. Each instrument is adjusted to the individual's personal requirements. Remember, we would not allow such a demonstration in our store unless we had investigated the instrument thoroughly. An expert from the factory will be with appears from the factory will be with appears who have finished their of their work.

Young Oregonians who won short courses at state agricultural college.

Young Oregonians who won short courses at state agricultural college.

Agent Seymour and Director Hetzel, remainder came at their own expense gage still more earnestly in to take the short course work.

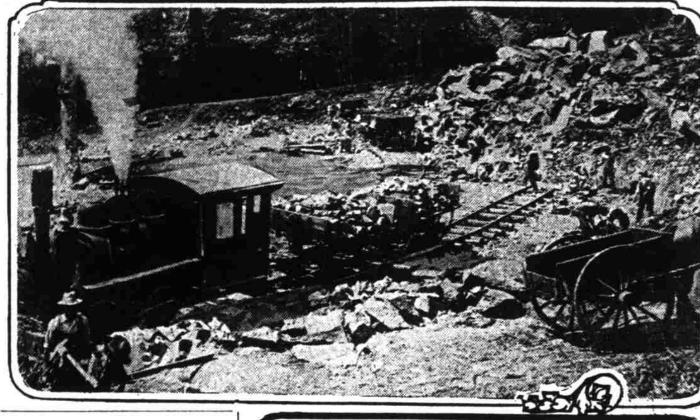
To the members attending for the ground to take the short course work.

To the members attending for the first college grounds, buildings, equipment and instructors—the entire insers—seven out of the twent of the twent of the prize winners delegation. expert from the factory will be with us this week. 'All interested should call and test this wonderful instru-ment. The fourth floor

WOODARD, CLARKE & CO. Governor Withycombe, President Kerr, O. M. Plummer, President Ackpaid all expenses of travel and living.

State Superintendent Carlton, State cities, which paid all expenses. The large and clinched their determination to enfort the paid all expenses. The large and clinched their determination to enfort the plan. Alder St. and West Park

DYNAMITING FISH IN AN OLD SEA BED



issued by the United States geological The Powder River Gold Dredging survey. Shortage of cyanide supplies, ompany, which in the first half of feared in 1915, was obviated by in-1915 had but one dredge operating near creased output of domestic sodium cy Sumpter, Paker county, has been work- anide, which has practically replaced ing with two dredges during the first potassium cyanide in the leaching of

Flotation has begun to increase say county, this is the largest gold-mining- ing of gold from tailings. Many old gold prospectors have been giving at tention to deposits of tungsten, anti-The properties of the Couger Min- mony, quicksliver, and other mineral ing company, near Sumpter, have been products whose value has enhanced

Final figures of geological survey kane, Wash. In addition to the 200 and the bureau of the mint give a ton mill, tube mills and a cyanide total domestic production for 1915 of \$101,035,700 in gold, and 74,961.075 The Queen of Bronze copper mine, ounces of silver, valued at \$37,397,300, which ships its ore from Waldo by against \$94,631,800 in gold and 72,455, team to Grants Pass and thence by 100 ounces of silver in 1914. These figrall to smelters at Kennett and Ta- ures include the gold production of the coma, has been sold to the Twohy in- Philippines, which has been steadily

OUTPUT OF MINES GREATER More Attention.

Reports received by the United Grants Pass, has been sold to men who States geological survey show that the mine production of lead and zinc ores during the first six months of 1916 particularly in the counties along the was much larger than that of any prenorthwest border of California. Many ceding months. The lead and zinc old properties have been reopened, and mines have been able to produce all new ones have been put in shape for the ore needed to supply the increased capacity of the smelters. The ore and concentrates were sold at prices which yielded large profits, notwithstanding increased costs of production and the at Bridgeport, near Dallas. From 40 working of large quantities of low a profit under normal conditions.

nearly free from lead and Iron contrict; Columbia Gold Mines company tinued to be in demand, and the base price offered for such concentrates was generally much higher than that of-

The stock of zinc concentrates un-Dredge company in the Cracker creek weeks' production. The production of wedges and powder and broken by rock, zinc carbonate and silicate showed no placer, in the flacer district, Josephine great increase, and the galena concen- Ben Harrison mine in the Sumpter dis- test against using a block of ground county, Sterling Hydraulic, in the For- trates sold indicate a production of trict and will spend most of the sum- in the heart of the city for this purpose est creek district. Josephine county, about 56,000 tons in 1916, or 11,000 tons | mer in inspections and researches.

In the western states small increases of both lead and zinc were made in Ar-ALASKA COPPER ON INCREASE izona, Colorado, New Mexico and Washington. In Nevada an increased quantity of zinc ore was shipped from Clark county and the lead ore shipments from the Pioche, Goodsprings, and Eu-

The Coeur d'Alene region in Idaho ing operations during the first six shipped 30,000 tons of lead ore or con-Copper mining centrates a month. The Interstate, probably will show the greatest ad- Callahan, Success, Frisco and other mines were shipping more than 8000 ping ore and developments are being tons of zinc concentrates or ore

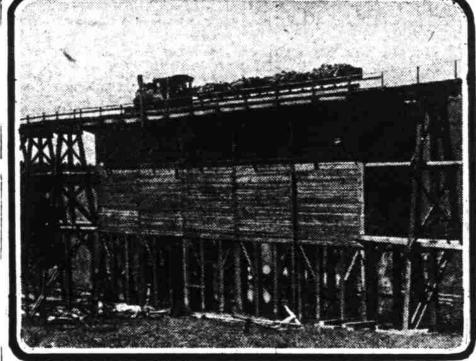
The reports from all states indicate per output for 1916 will be greater than United States in the first six months of 1916 was at a rate 25 to 30 per cent

Mine Bureau Men Travel.

shipments in 1915.

H. M. Parke, director of the Oregon ing a tour of the eastern Oregon min- started the next day. ing regions accompanied by A. M.

homes in different parts of Oregon.



Scenes at the cement company quarry at Bridgeport. Top-At work in the quarry after a blast. Bottom-The loading bins near the

to 50 men are employed at the quarry,

to be practically inexhaustible. the result of such a blast is the dis-procedure of a ledge of rock about Fossil remains in the str 00 feet long, and from 15 to 20 feet high, which are broken into pieces a sea bottom, as many curious sea The largest producers among the sold in June was larger than usual but that will weigh from 10 to 50 tons shells, fishes, fish eggs, and remains placer mines are the Powder River probably was not much more than two each. These are in turn split up with of vegetable life are found in the solid

Asbestos Shipped East.

Twenty tons of asbestos has been shipped east during the last few days from the Grant county mines through Baker. The shipment is said to have been worth \$3000.

Refer Ordinance to Vote of the People Plan Is to Cooperate in Repairing

Proposition to Improve Pormer School Building and Convert to City Hall Is Cause of Controversy.

Albany, Or., July 8 .- Petitions con-

PRIZE WINNERS FINISH SHORT COURSE WORK AT O. A. C.

of their work.

The industrial club classes numbered stitution—commanded their respect for

Dallas, Or., July 8.—Operations are | sledges used by the workmen until well under way now at the quarry of they can be loaded onto the train by cussed really existed or not. He had The water from Big Butte is taken work. the Oregon Portland Cement company hand and taken to the bunkers, where heard that the college student of toto be pulverized and baked in the number one-nothing in it. where the supply of lime rock is said kilns there. Then the rock is mixed in the proportion of two to one with a About 700 pounds of dynamite are similar product from Roseburg, which used in a single blast every week, and produces a better grade of cement than

Fossil remains in the strata of rock in this quarry prove that this was once

when it was purchased from the school district for a city park site.

for vindication.

Baker and Grant Will Fix Highway

to John Day Valley.

county courts of Baker and Grant counties with 20 business men from taining 200 names have been filed with Baker and nearly as many from John the girls still come from private pre- River. The funeral services will be City Recorder L. G. Lewelling to refer Day valley points, met today at Aus- paratory schools. ordinance No. 844, passed June 16, to tin, intermediate point between Baker convert it into a city hall, to the vote and Canyon City. Agreement was women in 1905. In 1910 the percentof the people at the city election next reached for cooperation between the ages from Portland were 24 and 27 and The council passed the two counties to repair the Dixie moun- in 1915 17 and 30. Portland passed measure unanimously, and then at the last meeting passed it over the veto of bureau of mines and geology, is mak- Mayor L. M. Curl. Petitions were lent highway all the way from Baker cent to Eugene's 20 and 19. Eugene Swartley and G. E. Goodspeed. The to making over an old building to Day valley and over the divide to land at the head of the list, party conferred with officials of the house the city government, and pro- Snake river.

WOMEN ARE GETTING OLDER AND THE MEN

Portland Boy Mathematical Expert Amuses Self Toying With Dry Figures.

YOUNGER, HE SAYS

TABLES ARE COMPILED

He Can Tell the Average Ages of All Students in Several Departments of the University.

University of Oregon, Eugene, Or. July 8 .- A Portland boy with a taste statistics has just compiled for the University of Oregon a series of tables of data concerning the institution which the authorities are very glad to have, but which they have never felt able to have worked up by regular statisticians. Fred Heithdusen, of 999 Williams avenue, Portland, a junior in the school of commerce, has labored all spring adding up long columns of figures and computing averages, and he has done it for the love of the work, and to satisfy his own intellectual curiosity. He is taking no work in statistics nor in any other course in which he could expect university credit for his efforts

Averages Figured Out. Heithausen, with true German thoroughness, has figured out to a day the average ages of women and men students at different stages of the university's history, their average age on entering college, the youngest and oldest members of the various classes, the percentage coming from public high schools and from private schools, the length of time they have stayed in university on the average, the quality of their work as indicated by

the "marks" received, the various parts

of the state which have furnished the

most students at different times, and

the different university courses they have elected. The women are getting older and the men younger, Helthausen finds. In 1905 the average age of the fresnman girl on entrance was 19.42 years; in 1910, 19.51 years; and in 1915, 19.74 years. For the same years the men's ages had run 20.38, 20.85 and 19.73. The men and the women nowadays are ing to Heithausen's figures.

Keen Interest Shown Heithausen's interest in compiling creek and Ginger creek. Each of these of Butte Fails contributed the rest of these tables was largely to satisfy creeks carries enough water to supply the necessary funds. himself whether certain "tendencies the number of ponds where the fish of the times" that he had heard dis- will be hatched. they are loaded on the Southern Pacific day was much younger than the stu- 10 departments in 1905, 16 in 1910, harvested here this year. Every meafreight train and shipped to Oswego dent of some years ago. Conclusion and 22 in 1915. The women students dow is a mass of strawberry plants

Heithausen's figures the student pop- cent of them as major students in 1915 served by the homesteaders. The berulation has nearly doubled twice. Ex- as against 34 per cent in 1905 and 35 ries are much larger this year than than half the male inhabitants of Ducluding medical school, law school, ex- per cent in 1910. The girls are widely ever before tension studes ts and the like, the uni- scattered now, versity had in 1905, 1910 and 1915 re- courses like architecture, pre-law, prespectively, 281 students, 491 students, medicine, journalism, public speaking, and 818 students. In the little old economics, and commerce, "freshwater college" of 10 years ago Mr. Average Student in 1905 cherhigh marks than is the case today in the larger university with its harder cent of the men. In 1910 the trend tocourses and stricter standards.

able to keep up with the pace set by with 35 per cent of the students. In the faculty with the same degree of 1915 a separate school of commerce had The issue will cause a hot fight in ease. In 1905 the standings of the been established, and this stood at the he election, for the council is solidly first year men in their classwork over- head of the list with 27 per cent of the election, for the council is solidly first year men in their classwork over-back of the proposition, and will work aged 2.121 (perfect being represented the students. Economics was second by 1., and failure by 5.); in 1919 the with 16, while the pre-medical and standard had risen until the average journalism schools were tied for third freshman student was rated at 3.020 place with 9 per cent each. and 1915 his rank was 3:209. Among the women the figures are 2.096, 2.670

and 2.868. Many Pacts Deducted,

In 1905, 26.5 per cent of the men and 24.2 per cent of the women came from

Eugene as the source of the most students in 1910, sending 24 and 27 per

STATE RAISES MORE FISH



Part of the flume at the new Butte falls fish hatchery.

J. W. Berrian, one of the state's ex

state fish hatchery here is considered of ditch and is emptied into Ginger is expected. almost precisely the same age, accord- to be especially advantageously situ- creek just above the ponds. ated inasmuch as its water supply! The state appropriated about \$900 for comes from two sources the Big Butte the construction work and the residents

perts on fish culture, supervised the

have been faithful to literature, and thousands of berries are being pre-In the three periods covered by though that course gets only 17 per majoring even in

was easier for the freshman to get ished the ambition of becoming an enward the business life was apparent Neither men or women have been with economics at the head of the list

DEATHS OF NORTHWEST

Mrs. Ketchum, The Dalles,

The Dalles, Or., July 8 .- Mrs. Aman-Dixie Mountain Boad Prom Baker private preparatory schools. Now all da Ketchum, a pioneer of 1845, died at but 7 per cent of the men come from the public high schools. The social the home of her daughter, Mrs. John Baker, Or., July 8.-Members of the change brought about by the growth Mann, in this city, yesterday, after a of the public high schools in Oregon few days' illness. Ars. Ketchum was has not as yet affected the women in the mother of Frank Friedley, of Three so great a degree, as 12 per cent of Mile, and of Arthur Friedley, of Hood held tomorrow at Crandall's chapel, Portland furnished only 16 per cent and the interment will take place in

Mrs. Broughton, Baker.

Baker, Or., July 8 .- The remains of Mrs. Jennie Boughton, who died here Thursday, were sent to Caldwell, Idaho, former home of Mrs. Boughton. started the next day.

It to the John Day valley. It has nothmade another spurt in the succeeding Mrs. Boughton was the wife of G. M.

Many people in the city are opposed ing to do with the state road up John years and now stands close to Port-Boughton, a southern Idaho pioneer, who has been a resident of this county since last spring. She was 62 years of age, and born at Coldwater, Mich. Two sons and three married daughters survive besides the husband.

Mrs. Malone, Antelope. The Dalles, Or., July 8 .- Forty Antelope residents were here Friday to attend the funeral of Mrs. John Malone. Services were held at the Catholic church, at 9 o'clock. There was a spe-cial floral vehicle. Mrs. Malone was formerly Elizabeth Brogan, daughter of John Brogan, a well known Antelope rancher.

Mrs. Robert Ellison Dies. Albany, Or., July 8 .- Mrs. Robert Ellison, of Los Angeles, Cal., died in that city yesterday morning, according to a telegram received here yesterday by W. A. Kimsey from his wife, who

was at her sister's bedside. Mrs. El-

lison was also a sister of Mrs. Sarah Hulbert, of this city, and Cooper Tura ner, of Lebanon. Mrs. Ellison was here on a visit last summer and made many friends in this city, William Woodworth, Winlock. Winlock, Wash., July 8 .- William Woodworth, 62 years of age, and for years a resident of this place, is dead.

was born near Salem, O., his par-

remains were sent to Portland for

Chautauqua Is Open.

burial.

Albany, Or., July 8 .- A large opening day attendance greeted the beginning of the ninth annual Chautauqua in Bryant's park yesterday afternoon. The morning was taken up with the usual classes. At 1:30 the Sunday school parade moved through the streets and was the largest affair of its kind ever held here. Nearly 1990 children took Oregon Agricultural College, Cor- | Agent Seymour and Director Hetzel, remainder came at their own expense | gage still more earnestly in the indus- part. Prizes were awarded as follows: try of their choice and share their new First prize, for largest number in line, leading state officers and noted edu- young people that have already begun To the members attending for the knowledge with others of their com-United Presbyterian; second, most unique feature, Baptist; third, best display of banners, First Presbyterian; Polk county sent the most prize winfourth, best interpretation of a subject ners-seven out of the twenty. Wasco Evangelical, representing the subject cultural college and returned to their 52-29 boys and 23 girls. Twenty are the completeness with which they had the largest delegation - eleven, "Joy." The patriotic program in the state prize winners who attended as served the special purposes for which most of whom were county or district evening was a success.

> Strawberries Are Plentiful. La Pine, July 8 .- An extraordinarily big crop of wild strawberries is being

CHURCH OF CHRIST IN OREGON WILL MEET AT TURNER CAMP PLACE

Ten-Acre Campus, Shade Trees and River All Add Beauty to Site.

NOTED SPEAKERS ARE DUE

Ministers and Bible Schools Will Have Day and Educational Work Will Be Considered During the Week.

Turner, Or., July 8.-The annual convention of the Church of Christ in Oregon will be held next week at Turcampus, big fir trees for shade, a make a most inviting spot for a summer meeting.

The Christian church, sometimes known as Disciples of Christ, claims about 20,000 members in Oregon, and 126 churches. They meet annually at Turner. A tabernacle seating 2000 people is owned by them here and it is usually well filled on Sundays. A little city of white tents is lo-

cated on the campus during the convention. A lodge containing 18 rooms accommodates those who do not care to tent. A good restaurant feeds the visitors who do not care to cook on a campfire. The buildings and grounds are electric lighted so that people here have almost the same conveniences as at home.

The program for the week is comprehensive of the whole work of the The services on Sundays are purely devotional and inspirational. On Monday the women's work is reviewed On Tuesday the missionary work in the state is taken up. Wednesday the ministers hold a ses-

Thursday the Bible schools have heir day. On Friday educational work is considered. On Saturday the Chrisian Endeavorers hold forth. Several hundred delegates are ex-

pected. Noted speakers from eastern Butte Falls, Or., July 8 .- The new through 2400 feet of flume 1350 feet cities will be here. A great gathering

Dufur Entertains Masons,

The Dalles, Or., July 8 .- Forty-four members of the local lodge of Masons, motoring to Dufur last night, were royally entertained by Dufur members of the order. The Dufur lodge put on the third degree work. A banquet was served, at which members of the local lodge and of the Dufur lodge delivered short addresses. The Dufur lodge of Masons, which

numbers 129 in enrollment, is one of the youngest lodges in the state. More fur belong to the Masonic order.

LMOST anyone can recognize by their ear-marks the peculiar characteristics of Goodyear No-Hook Tires.

You can easily recognize their greater strength and sturdiness of construction.

And you can see that they are lively and pliable to remarkable degree.

The resilience flows out of the fact that their stoutness is built up by layer upon layer of purest rubber and the finest fabric manufactured.

Two things to be dreaded are tires that are skimped, and tires impregnated with mineral substitutes for rubber.

In No-Hook Tires you get both the size that spells safety and the purity of rubber that ensures resilience.



Goodyear No-Hook Tires are made strong, safe and standy by these unique advantages: They are easy to put on and take off because they do not rust fast to the rim. Blowouts are lessened by our No-Rim-Cut feature. Punctures and skidding are reduced by our double Loose Treads are diminist by our On-Air Cure. Blowing off the rim is pre-vented by our Braided Plane Wire Base.

